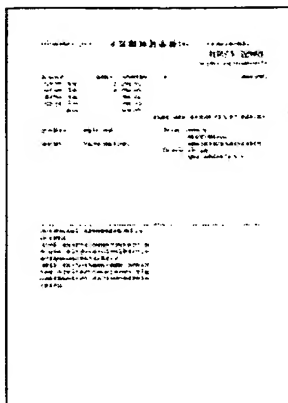


[Print-Friendly](#)**Title:****PRODUCTION OF HYDRAULIC INORGANIC COMPOSITION****Abstract:**

**PURPOSE:** To produce a large amount of a hydraulic inorganic composition having improved flexural strength, moldability and surface smoothness by dispersing given amounts of hemp fibers and a water-soluble polymer substance into water to give a slurry and blending the slurry with the residual hydraulic inorganic substance.

**CONSTITUTION:** 0.5-25wt.% hemp fiber such as Manila fiber having 2-40mm average fiber length and thickness of 1.5-20 denier and 0.1-33wt.% water-soluble polymer substance such as methyl cellulose are dispersed into 20-100 pts.wt. water to give a slurry. Then the slurry is blended with 100 pts.wt. hydraulic inorganic substance such as Portland cement to give a mixture. The mixture is optionally blended based on 100 pts.wt. hydraulic inorganic substance in the mixture with 20 pts.wt. reinforcing fibers such as vinylon having thickness of 0.1-40 denier and 1-15mm length and 100 pts.wt. inorganic filler such as perlite having 0.03-500  $\mu$ m average particle diameter to produce to objective hydraulic inorganic composition.

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**Assignee:****SEKISUI CHEMICAL CO LTD****Inventor:****NAKANO TATSUTOSHI****Publication Date:**

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**Application Date:**

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**Cites:**

0

**Cited By:**

1

**Intl Class:**

[<sup>5</sup>]C04B001602; [<sup>5</sup>]B28B000320; [<sup>5</sup>]B28C000704;  
[<sup>5</sup>]C04B000719; [<sup>5</sup>]C04B002818; [<sup>5</sup>]C04B002818;  
[<sup>5</sup>]C04B001602; [<sup>5</sup>]C04B002002; [<sup>5</sup>]C04B002000;  
[<sup>5</sup>]C04B002438; [<sup>5</sup>]C04B001606; [<sup>5</sup>]C04B001608

**Core:** B28B000320 [2006-01]; B28C000700 [2006-01];  
C04B000700 [2006-01]; C04B001600 [2006-01];  
C04B002800 [2006-01]

**Adv:** B28B000320 [2006-01]; B28C000704 [2006-01];  
C04B000719 [2006-01]; C04B001602 [2006-01];  
C04B002802 [2006-01]; C04B002818 [2006-01]

**ECLA:**

C04B002802

**US Class:****Field of Search:**

**JP5229859 A PRODUCTION OF HYDRAULIC INORGANIC COMPOSITION**

Assignee: **SEKISUI CHEMICAL CO LTD**  
Publication Date: 1993-09-07  
Inventors: **NAKANO TATSUTOSHI**  
Application Number: JP199231996A  
Application Date: 1992-02-19

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